G00448

**ENERGY RESOURCES, INC.**

Paola, Kansas 66071
913 294 3050

Lawrence, Kansas 66044
1203 Iowa
913 841 8886

FILING NO.

COMPANY CARMEL ENERGY INC. [redacted]

WELL C.E.I. NO. 76

FIELD IDA FAUVERGUE

COUNTRY VERNON CO., MISSOURI

LOCATION: 1430.0 FNL
620.0 FWL

SEC 33 TWP 35N RGE 33W

OTHER SERVICES:

PERMANENT DATUM G.L. ELEV. 799.0

LOG MEASURED FROM G.L. FT ABOVE PERM. DATUM

DRILLING MEASURED FROM G.L.

ELEV. K.B.
D.F.
G. 799.0

| | | |
|---|---|---|
| DATE | 5-15-80 | 5-15-80 |
| RUN NO. | 1 NW | 1 NW |
| TYPE LOG | GAMMA RAY | NEUTRON |
| DEPTH-DRILLER | | |
| DEPTH LOGGER | 137.3 | 137.3 |
| BOTTOM LOGGED INTERVAL | 131.8 | 136.3 |
| TOP LOGGED INTERVAL | 0.0 | 4.5 |
| TYPE FLUID IN HOLE | WTR/OIL | WTR/OIL |
| SALINITY, PPM CL. | | |
| DENSITY | | |
| LEVEL | FULL | FULL |
| MAX REC. TEMP. DEG F | | |
| EQUIPMENT NO. | | |
| RECORDED BY | E. PRATT | E. PRATT |
| WITNESSED BY | V. YOUNG | V. YOUNG |

| RUN NO. | BORE-HOLE RECORD BIT | FROM | TO | CASING RECORD SIZE | WGT. | FROM | TO |
|---|---|---|---|---|---|---|---|
| | | | | [illegible] | | 0 | [illegible] |
| | | | | [illegible] | | 10[illegible] | [illegible] |

OCT 0 6 1980
MO. OIL & GAS COUNCIL

EQUIPMENT DATA

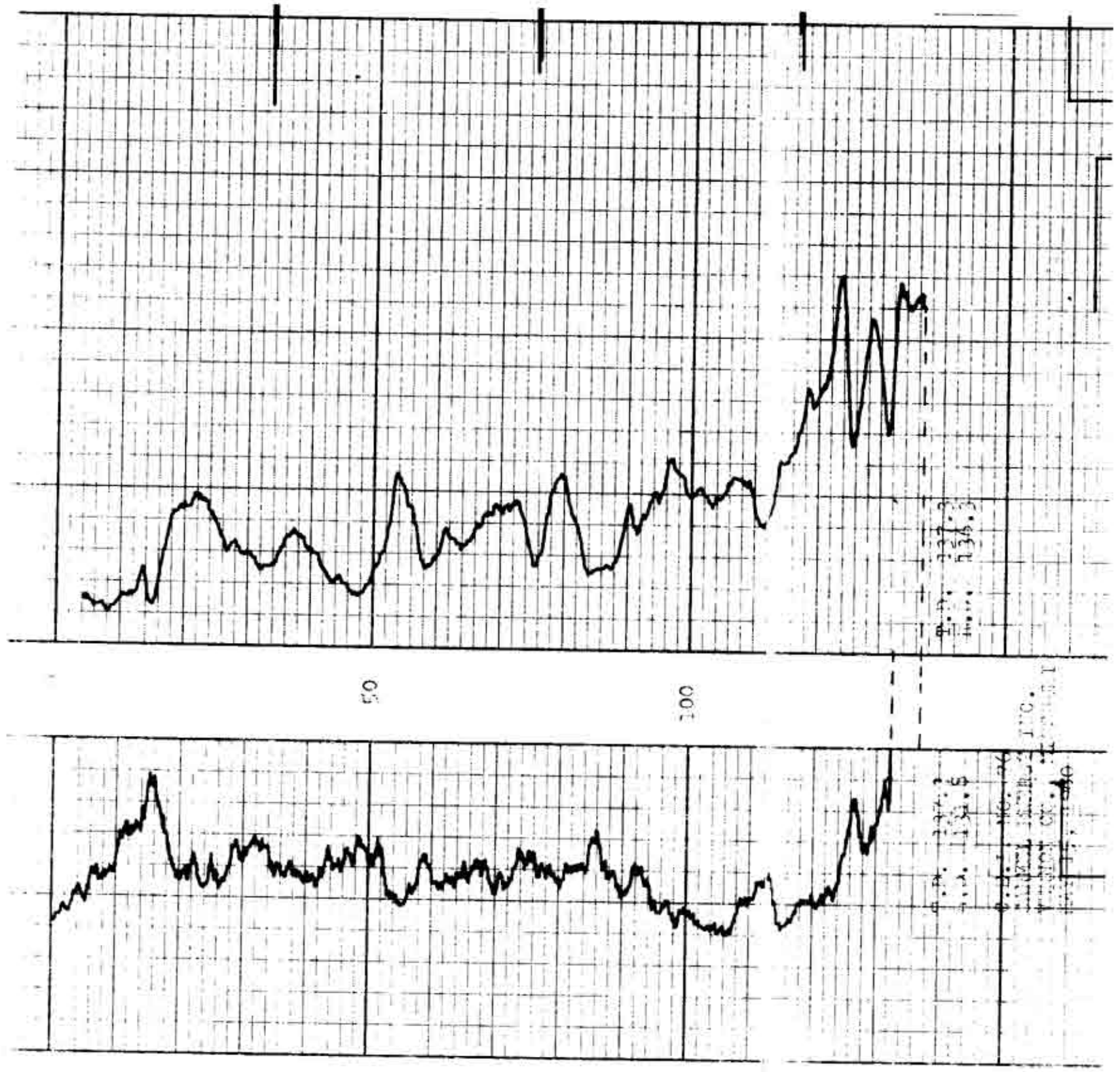
| | GAMMA RAY | NEUTRON |
|---|---|---|
| RUN NO. | 1 NW | 1 NW |
| TOOL MODEL NO. | 705 | NEU/WEU |
| DIAMETER | 1 11/16" | 705 |
| DETECTOR MODEL NO. | 705-GE | 1 11/16" |
| TYPE | GEIGER | 705 HE-3 |
| LENGTH | 1 3/8" x 18" | HE |
| STANDARD IN SOURCE | 4.5 | 1" x 6" |
| | | 71-1 |
| GENERAL | | 71-1-335 G |
| HOIST TRUCK NO. | 0020 | 13" |
| INSTRUMENT TRUCK NO. | 0020 | AMBE-241 |
| TOOL SERIAL NO. | 0002 | 3 CI |

LOGGING DATA

| GENERAL DEPTHS FROM | TO | SPEED FT/MIN | T.C. SEC | SENS. SETTINGS | ZERO DIV. L OR R | API G R UNITS PER LOG DIV | T.C. SEC. | SENS. SETTINGS | ZERO DIV. L OR R | API N. UNITS PER LOG DIV |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | T.D. | 30 | 2.0 | 100/100 | 3 R | 10 | 2.0 | 500/095 | 0 | 20 |

REFERENCE LITERATURE OPEN HOLE - NOT CEMENTED

REMARKS [illegible] CONTRACTOR: LAYNE-WESTERN COMPANY

GAMMA RAY DEPTH ANT. CASING

NEUTRON